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| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>  |   | ATTORNEY'S DOCKET NUMBER<br>2936-0235PUS1<br>U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>107520062</b><br>NEW |
| INTERNATIONAL APPLICATION NO.<br>PCT/JP2003/015045   | INTERNATIONAL FILING DATE<br>25 November 2003 | PRIORITY DATE CLAIMED<br>2 December 2002  |
| TITLE OF INVENTION    TURBINE ROTOR REPAIR METHOD  |   |   |
| APPLICANT(S) FOR DO/EO/US    Yoshiaki FUKUNAGA; Takashi SHIGE; Hidenori KANKI; and Masahiro YAMASHITA  |   |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |   |   |
| <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li><input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li><input type="checkbox"/> The US has been elected (Article 31).</li> <li><input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))             <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> has been communicated by the International Bureau.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li><input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).             <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> is attached hereto.</li> <li><input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li><input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))             <ol style="list-style-type: none"> <li><input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> have been communicated by the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li><input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li><input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li><input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> </ol> |   |   |
| Items 11 to 20 below concern document(s) or information included:  |   |   |
| <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li><input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li><input type="checkbox"/> A preliminary amendment.</li> <li><input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li><input type="checkbox"/> A substitute specification.</li> <li><input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li><input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13(ter.2) and 37 CFR 1.821 - 1.825.</li> <li><input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li><input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li><input checked="" type="checkbox"/> Other items or information: Drawings Five (5) sheets; PCT/ISA/210</li> </ol>  |   |   |

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| U.S. APPLICATION NO. (If known, see 37 CFR 1.5)  |              | INTERNATIONAL APPLICATION NO.<br>PCT/JP2003/015045                            |            | ATTORNEY'S DOCKET NUMBER<br>2936-0235PUS1 |                 |
| 21. The following fees are submitted:  |              |   |            | Applicant Use                             | Office Use Only |
| <input checked="" type="checkbox"/> a) Basic national fee ..... \$300.00<br><input checked="" type="checkbox"/> b) Examination fee ..... \$200.00<br><input checked="" type="checkbox"/> c) Search fee ..... \$500.00  |              |   |            | \$ 300.00                                 |                 |
| <b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b>   |              |   |            | \$ 500.00                                 |                 |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |              |   |            |   |                 |
| Total Sheets   | Extra sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE       |   |                 |
| 14 - 100 =   | /50 =        |   | x \$250.00 |   |                 |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).  |              |   |            | \$  |                 |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA  | RATE       |   |                 |
| Total claims   | 9 - 20 =     |   | x          | \$ 0.00                                   |                 |
| Independent claims   | 1 - 3 =      |   | x          | \$ 0.00                                   |                 |
| MULTIPLE DEPENDENT CLAIM(s) (if applicable)  |              |   |            | +   | \$              |
| <b>TOTAL OF ABOVE CALCULATIONS = \$1,000.00</b>  |              |   |            |   |                 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |              |   |            | \$  |                 |
|  |              |   |            | <b>SUBTOTAL = \$ 1,000.00</b>             |                 |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).   |              |   |            | +   | \$              |
|  |              |   |            | <b>TOTAL NATIONAL FEE = \$ 1,000.00</b>   |                 |
| Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |              |   |            | +   | \$ 40.00        |
|  |              |   |            | <b>TOTAL FEES ENCLOSED = \$ 1,040.00</b>  |                 |
| Amount to be refunded:   |              |   |            |   | \$              |
| Amount to be charged:  |              |   |            |   | \$              |
| a. <input checked="" type="checkbox"/> A check in the amount of \$ 1,040.00 to cover the above fees is enclosed.<br>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-2448. A duplicate copy of this sheet is enclosed.<br>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. |              |   |            |   |                 |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.  |              |   |            |   |                 |
| SEND ALL CORRESPONDENCE TO:  |              |   |            |   |                 |
| <br>SIGNATURE: Terrelle Birch  |              |   |            |   |                 |
| NAME _____   |              |   |            |   |                 |
| January 5, 2005<br>/sm   |              |   |            |   |                 |
| CUSTOMER NUMBER: 02292   |              |   |            |   |                 |
| 19,382 <i>#29271</i>   |              |   |            |   |                 |
| REGISTRATION NUMBER  |              |   |            |   |                 |